SW4 and SW6 RGBHV and RGBHV A Switchers

Description

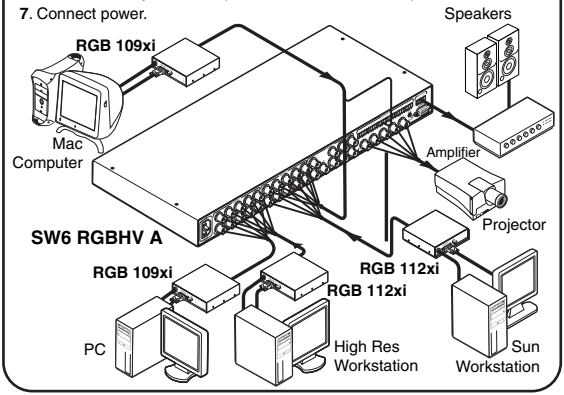
The Extron SW RGBHV Switchers are a family of RGB video and/or audio switchers. Each audio input's **(if applicable)** level can be displayed and adjusted through a range of -18 dB to +24 dB. In autoswitching mode, the switchers automatically select the highest-numbered input with a sync signal present.

Installation & Cabling

1. If desired, mount the 1U high switcher in a standard 19" rack.
2. **RGB video input** – Connect up to 4 or 6 RGBHV, RGBS, RGsB, RsGsBs, or component video inputs.
3. **Audio input (if applicable)** – Connect up to 4 or 6 audio inputs. See "Audio Connections", at right to wire captive screw connectors.
4. **RGB video output** – Connect an RGBHV, RGBS, RGsB, RsGsBs, or component video display or other device.
5. **Audio output (if applicable)** – Connect an audio audio device, such as an audio amplifier or powered speakers. See "Audio Connections", at right, to wire captive screw connectors.

   CAUTION *Incorrect audio connector wiring can damage the switcher. See the "Audio Connections", at right.*

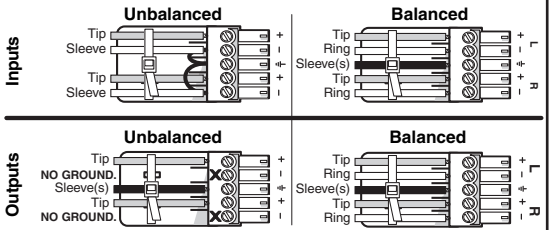
6. **Remote/RS-232 Port** – Connect a remote host or contact closure device.
   a. **RS-232 (all models)** – Pin 2 = TX, pin 3 = RX, pin 5 = Gnd.
   b. **Contact closure** – Pin 1 = In# 1, pin 4 = In# 2, pin 6 = In# 3, pin 7 = In# 4, pin 8 = In# 5, pin 9 = In# 6, pin 5 = Gnd. Momentarily tie an In# pin to Gnd to select that input.
7. Connect power.



Audio Connections

On audio models, audio input and outputs use captive screw connectors.

The examples below show unbalanced and balanced methods of wiring the captive screw audio connectors for input and output. If you are wiring a captive screw connector from an existing unbalanced audio cable, the white insulated wire is typically the left channel (tip) and the red insulated wire is typically the right channel (sleeve). There is no reliable standard for existing balanced audio cables.



CAUTION *Do not connect the sleeves to either the + or - terminal. Wiring errors or plugging the audio connectors incorrectly can damage the audio output circuits.*

Operation

Selecting the switch mode —

Place the rear panel Auto/Manual switch in the Auto or Manual position. The Auto Switch LED lights to indicate autoswitch mode is selected.

Selecting an input in normal mode —

Select the desired input by pressing the associated input button. Observe that the LED for the selected input lights.

Adjusting the audio level (audio models) —

1. The switcher must be in normal (manual) mode.
2. Press and release an input button to select an input.
3. Press and hold the Audio Conf/Save button until the Audio Conf/Save LED blinks. Release the button. The ±dB LEDs indicate either gain or attenuation. Both ±dB LEDs lit indicate 0 dB. See the SW RGBHV Series manual, part #68-648-01, to read the displayed audio gain or attenuation level.
4. Press and release the ▲and ▼buttons to change the audio level.
5. Press and hold the Conf/Save button until the Conf/Save LED turns off to save the gain value in memory and exit the audio adjustment mode.

www.extron.com

Extron Electronics, USA
1230 South Lewis Street
Anaheim, CA 92805
800.633.9876 714.491.1500
FAX 714.491.1517

Extron Electronics, Europe
Beeldschermweg 6C
3821 AH Amersfoort, The Netherlands
+800.3987.6673 +31.33.453.4040
FAX +31.33.453.4050

Extron Electronics, Asia
135 Joo Seng Rd. #04-01
PM Industrial Bldg., Singapore 368363
+800.7339.8766 +65.6383.4400
FAX +65.6383.4664

Extron Electronics, Japan
Kyodo Building, 16 Ichibancho
Chiyoda-ku, Tokyo 102-0082
Japan
+81.3.3511.7655 FAX +81.3.3511.7656

N15779
33-711-01 **B**
06 07